

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for booting a subsystem, comprising:
 - retrieving a subsystem boot indicator;
 - transferring information to the subsystem based on the subsystem boot indicator;
 - and
 - transferring the information to the subsystem is performed without involvement of a main system operating system, ~~the-a main system including coupled with~~ the subsystem and the operating system.
2. (Currently Amended) The method ~~according to~~of claim 1, wherein the subsystem boot indicator is located in a non-volatile storage device.
3. (Currently Amended) The method ~~according to~~of claim 2, wherein the non-volatile storage device is located within the subsystem.
4. (Cancelled)
5. (Currently Amended) The method ~~according to~~of claim 1, wherein transferring information to the subsystem is performed over a bus whose width is less than that of the main system.

6. (Currently Amended) The method according to claim 1, wherein transferring information to the subsystem is performed over a communication link whose bandwidth is less than that of the main system.
7. (Currently Amended) The method according to claim 1, wherein transferring information to the subsystem is transferring information to a memory accessible by the subsystem.
8. (Currently Amended) A method comprising:
starting a boot up of a system, the system including coupled with a subsystem and a main operating system;
retrieving a boot indicator;
transferring information inaccessible to the subsystem to a location accessible by the subsystem based upon the boot indicator; and
shutting down the system before the main operating system for the system has substantially started executing.
9. (Cancelled)
10. (Currently Amended) The method according to claim 8, wherein shutting down the system does not shut down the subsystem.
11. (Currently Amended) The method according to claim 8, wherein the location is a memory location.

12. (Currently Amended) A machine-readable medium having stored thereon data
representing sets of instructions; which, when executed by a processormachine,
cause causes said processorthe machine to perform the following:
retrieve a subsystem boot indicator;
transfer information to a subsystem based on the subsystem boot indicator; and
transfer the information to the subsystem is performed without involvement of a
main system operating system, thea main system includingcoupled with
the subsystem and the operating system.
13. (Currently Amended) The machine-readable medium according toof claim 12,
wherein transferring the information to athesubsystem comprisesincludes
transferring the information to a storage accessible by the subsystem.
14. (Currently Amended) The machine-readable medium according toof claim 12,
wherein retrieving the subsystem boot indicator is retrievingthe subsystem boot
indicatorfrom a non-volatile storage device.
- 15-26. (Cancelled)
27. (Currently Amended) A computer based system comprising:
a memory device;
a main systemcoupledwith a firstmain storage device and the memory device,
the main system including a main operating system;

a subsystem coupled with a second-subsystem storage device ~~of the main system~~;

a subsystem boot indicator; and

a boot up controller to access the subsystem boot indicator and initiate a booting
of the subsystem based upon the subsystem boot indicator, wherein the
booting of the subsystem includes retrieving information from the first
storage device and transferring the retrieved information to the second
storage device, wherein the retrieving and transferring are to be performed
~~substantially~~ by a main system resource without the use of the main
operating system.

28-30. (Cancelled)

31. (New) The computer based system of claim 27 wherein the subsystem boot indicator is located in the storage device.
32. (New) The computer based system of claim 27 wherein the boot up controller examines the subsystem boot indicator to determine boot status.
33. (New) An apparatus comprising:
 - a main system coupled with a main storage device, the main system including a main operating system;
 - a subsystem coupled with a subsystem storage device;
 - a subsystem boot indicator; and
 - a boot up controller to access the subsystem boot indicator and initiate a booting
of the subsystem based upon the subsystem boot indicator, wherein the
booting of the subsystem includes retrieving information from the first

storage device and transferring the retrieved information to the second storage device, wherein the retrieving and transferring are to be performed by a main system resource without the use of the main operating system.

34. (New) The apparatus of claim 33 wherein the subsystem boot indicator is located in the subsystem storage device.
35. (New) The apparatus of claim 33 wherein the boot up controller examines the subsystem boot indicator to determine boot status.